

SC63255



Dart Aerospace Ltd.
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Hawkesbury, ON
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Canada

Tel (613) 632-5200

C45-OH

Job Sheet 176314



Part No: C45-OH

Job Qty: 1 ea

Part Name: C-Series Remote Hook 4,500 lbs Lift Capacity



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/20/18

Job Tracking No: RA161 SN: 45010

Due Date: 5/4/18

Created By: Michelle Gagnon-Donovan

Type: Return

Description:

Note: O&OPM-C45 REV.4 IPP REV: A 18.04.20 NEW ISSUE DD VERF:JFS

Ship Via:

Exchange
Can't overhaul

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Start up Operation	1 Ea		5/4/18	0.00	0.00	Start Up Small Fab-4		
110	Small Fab	1 pcs		5/4/18	0.00	1.00	Small Fab-9		
120	QC	1 pcs		5/4/18	0.00	0.00	QC5		
130	Customer Acceptance	1 pcs		5/4/18	0.00	0.00			
140	Outsource	1 pcs		5/4/18			GRO002-VC	10	
150	Packaging	1 pcs		5/4/18	0.00	0.00	Packaging2		
160	QC	1 pcs		5/4/18	0.00	0.00	QC6		
170	Small Fab	1 pcs		5/4/18	0.00	1.00	Small Fab-9		
180	QC	1 pcs		5/4/18	0.00	0.00	QC5		
185	DC	1 pcs		5/4/18	0.00	0.00	DC		
190	Packaging	1 pcs		5/4/18	0.00	0.00	Packaging3-2		
200	QC21-FG	1 Ea		5/4/18	0.00	0.00	QC21		

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C45-AR	C-Series Remote Hook 4,500 lbs Lift Capacity	1 Ea (1 ea)	100-Start up Operation	SC63107
188-FPSS-1/4-20-3/8	Set Screw	2 Ea (2 ea)	170-Small Fab	
188-FSCS-1032-5/8	Screw	4 Ea (4 ea)	170-Small Fab	
2595K2	Heat Shrink	1 ft (1 ea)	170-Small Fab	
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	170-Small Fab	
600.1309-A	Label	1 Ea (1 ea)	170-Small Fab	
600.1312	Caution Sticker	1 pcs (1 ea)	170-Small Fab	
AN4-23A	Bolt	2 Ea (2 ea)	170-Small Fab	
AN5-21A	Bolt	4 Ea (4 ea)	170-Small Fab	
C10-41	Stain Relief Connector	1 Ea (1 ea)	170-Small Fab	
C2-14-2	Label Rivets	2 Ea (2 ea)	170-Small Fab	
C45-1-1	Manual Knob Release	1 Ea (1 ea)	170-Small Fab	
C45-10-1	Spring Pin	1 Ea (1 ea)	170-Small Fab	
C45-10-2	Lock Spring	1 Ea (1 ea)	170-Small Fab	
C45-11-1	Side Plate Solenoid	1 Ea (1 ea)	170-Small Fab	

Plex 4/20/18 10:14 AM Dart.Gagnon.Michelle

C45-11-2	Locating Pin	2 Ea (2 ea)	170-Small Fab
C45-12-1	Lock Bushing	2 Ea (2 ea)	170-Small Fab
C45-12-2	Lock Shaft	1 Ea (1 ea)	170-Small Fab
C45-12-3	Lock	1 Ea (1 ea)	170-Small Fab
C45-12-4	Lock Roller	1 Ea (1 ea)	170-Small Fab
C45-12-5	Lock Roller Pin	1 Ea (1 ea)	170-Small Fab
C45-12-6	Retaining Ring	2 Ea (2 ea)	170-Small Fab
C45-13-1	Keeper Bushing	2 Ea (2 ea)	170-Small Fab
C45-13-2	Spacer	2 Ea (2 ea)	170-Small Fab
C45-13-3	Keeper Shaft	1 Ea (1 ea)	170-Small Fab
C45-13-4	Keeper	1 Ea (1 ea)	170-Small Fab
C45-13-5	Keeper Spring	1 Ea (1 ea)	170-Small Fab
C45-2-1	Sideplate - MRK	1 Ea (1 ea)	170-Small Fab
C45-3-1	Radial Bearing	2 Ea (2 ea)	170-Small Fab
C45-3-10	Latch Shaft	1 Ea (1 ea)	170-Small Fab
C45-3-11	Actuator	1 Ea (1 ea)	170-Small Fab
C45-3-12	DU Bearing	1 Ea (1 ea)	170-Small Fab
C45-3-2	Latch Roller Pin	1 pcs (1 ea)	170-Small Fab
C45-3-2-1	Snap Ring	2 Ea (2 ea)	170-Small Fab
C45-3-3	Latch Roller	1 Ea (1 ea)	170-Small Fab
C45-3-4	Pin	2 Ea (2 ea)	170-Small Fab
C45-3-4-1	Retaining Ring	4 Ea (4 ea)	170-Small Fab
C45-3-5	Spacer	2 Ea (2 ea)	170-Small Fab
C45-3-6	Latch	1 Ea (1 ea)	170-Small Fab
C45-3-7	Link	1 pcs (1 ea)	170-Small Fab
C45-3-8A	Actuator Shaft Bushing	1 Ea (1 ea)	170-Small Fab
C45-3-8B	Actuator Shaft Bushing	1 Ea (1 ea)	170-Small Fab
C45-3-9	Lever Spring	1 pcs (1 ea)	170-Small Fab
C45-4-1	Trunnion Bushing	2 Ea (2 ea)	170-Small Fab
C45-4-4A	C45 Load Beam Assembly	1 Ea (1 ea)	170-Small Fab
C45-4-5	Loadbeam Spacer	1 Ea (1 ea)	170-Small Fab
C45-5-1	Lever Stop Pin	1 Ea (1 ea)	170-Small Fab
C45-5-2	Lever Stop	1 pcs (1 ea)	170-Small Fab
C45-7-1	LOADBEAM BUMPER	1 Ea (1 ea)	170-Small Fab
C45-7-2	Lock Bumper	2 Ea (2 ea)	170-Small Fab
C45-8-1-2	Solenoid Nut	2 Ea (2 ea)	170-Small Fab
C45-8-2	Solenoid	1 Ea (1 ea)	170-Small Fab
C45-8-4	Solenoid Cover Gasket	1 Ea (1 ea)	170-Small Fab
C45-8-5	Solenoid Cover	1 Ea (1 ea)	170-Small Fab
C45-9-1	Clock Spring Cover	1 pcs (1 ea)	170-Small Fab
C45-9-2	Clock Spring	1 pcs (1 ea)	170-Small Fab
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab
EL314-SJTOW	3 Wire	1 ft (1 ea)	170-Small Fab
MS21044N5	Nut	4 Ea (4 ea)	170-Small Fab
MS27039-4-08	Screw	1 Ea (1 ea)	170-Small Fab
NAS1149F0563P	Washer	8 Ea (8 ea)	170-Small Fab
NAS1149F0632P	Washer	3 Ea (3 ea)	170-Small Fab

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Start up Operation	C45	1	0	0
170-Small Fab	188-FPSS-1/4-20-3/8	2	182	0
	188-FSCS-1032-5/8	4	181	0
	2595K2	1	30	0
	32448	2	179	0
	600.1309-A	1	0	0
	600.1312	1	0	0
	AN4-23A	2	610	0
	AN5-21A	4	53	0
	C10-41	1	13	0
	C2-14-2	2	268	0
	C45-1-1	1	0	0
	C45-10-1	1	94	0
	C45-10-2	1	16	0
	C45-11-1	1	0	0
	C45-11-2	2	42	0
	C45-12-1	2	22	0
	C45-12-2	1	14	0
	C45-12-3	1	0	0
	C45-12-4	1	0	0
	C45-12-5	1	0	0
	C45-12-6	2	52	0
	C45-13-1	2	0	0
	C45-13-2	2	86	0
	C45-13-3	1	0	0
	C45-13-4	1	0	0
	C45-13-5	1	95	0
	C45-2-1	1	0	0
	C45-3-1	2	26	0
	C45-3-10	1	15	0
	C45-3-11	1	13	0
	C45-3-12	1	17	0
	C45-3-2	1	0	0
	C45-3-2-1	2	14	0
	C45-3-3	1	0	0
	C45-3-4	2	24	0
	C45-3-4-1	4	64	0
	C45-3-5	2	80	0
	C45-3-6	1	3	0
	C45-3-7	1	0	0
	C45-3-8A	1	0	0
	C45-3-8B	1	0	0
	C45-3-9	1	0	0
	C45-4-1	2	2	0
	C45-4-4A	1	0	0
	C45-4-5	1	14	0
	C45-5-1	1	16	0
	C45-5-2	1	0	0
	C45-7-1	1	0	0
	C45-7-2	2	2	0
	C45-8-1-2	2	0	0
	C45-8-2	1	0	0
	C45-8-4	1	16	0
	C45-8-5	1	17	0
	C45-9-1	1	0	0
	C45-9-2	1	0	0
	EL-PLUG-M	1	49	0
	EL314-SJTOW	1	1,034	0
	MS21044N5	4	99	0
	MS27039-4-08	1	88	0
	NAS1149F0563P	8	192	0
	NAS1149F0632P	3	494	0

Part Specifications

Specifications could not be found.

Inspection Sheet Complete RA161

Customer QA Ref #

0

Part Number	Batch / Serial #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Work order #	Work order instructions
C45	S/N 45010	1	☐ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S033107	Perform over haul as per instruction sheet Return to customer
SWA3-2	S/N AC10018	1	☐ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S033108	Perform over haul as per instruction sheet Return to customer
SWA3-2	S/N AC10015	1	☐ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S033200	Perform over haul as per instruction sheet Return to customer
SWA6A-2	S/N AC11002	1	☐ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S033109	Perform over haul as per instruction sheet Return to customer
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			

QC Approval: P.D.

Date: 17/1/2018

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☒ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☒					
Date : <u>18-04-25</u>		Step #: <u>110</u>		QTY Effective : <u>①</u>		MRB (QSI042) Approval			
Description Work Order Deviation				Disposition					
Hook can't be overhaul, hook is to old.				Customer got new C45				<u>PD 18-04-25</u> Completed By <u>A.P</u>	
								Lead hand / Supervisor Approval Verification <u>SA 18/04/25</u>	
								QC / QA Coordinator Approval <u>PD 18-04-25</u>	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Bill To:
Maritime Helicopters, Inc.
3520 FAA Road
Homer, AK 99603

Purchase Order

8550 F

P.O. Date: 1/24/2018

Account No.: 0

Terms: Net 30

Vendor: Dart Aerospace Ltd
1270 Aberdeen Street
Hawkesbury ON, Canada K6A 1K7

Ship To: Maritime Helicopters, Inc.
1915 Donald Ave.
Fairbanks, AK 99701

[illegible]

Estimated Total	\$ 2,900.00
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Email: faiparts@maritimehelicopters.com

Phone: 907-452-1197

Fax: 907-456-6042

Please send two (2) copies of invoice to the billing address shown above. Our purchase Order number must appear on invoice, packages and correspondence. Please acknowledge delivery date.